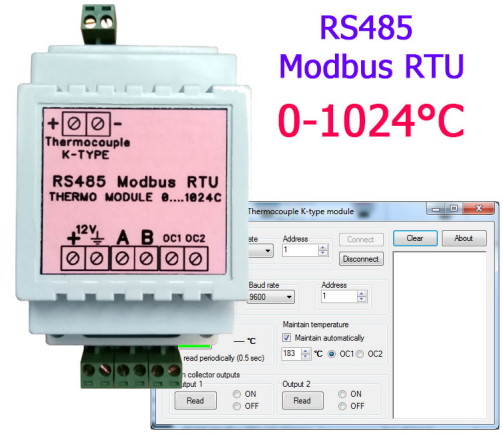
RS485 Thermocouple Module (Modbus RTU, 0-1024 degrees, K-Type, 2



Rating: Not Rated Yet
Price:
Sales price: 620,00 ???

Ask a question about this product

Manufacturer: ???????

Description

The module contains:

- an input for K-type thermocouple exconection;
- 2 "open collector" discrete outputs (max current 100uA);

The module can be operated (read temperature and on/off outputs) from PC or any controller (PLC, Raspberry Pi etc.) via RS-485 line and Modbus RTU protocol. That's industrial standard, which allows to operate module using only 2 wires from the distance up to about 1 km long. Along with the module, we send a K-type thermocouple (up to 800 C degrees), short manual with examples of Modbus RTU commands for the module and testing software (for Windows) which illustrates those commands work (reading temperature, setting outputs state, maintain temperature). Inform us if you need to use thermoprofiles or other functions so that could be added in software updates.

Modbus functions: read temperature, read output state (on/off), change output state, change port baudrate, set module address.

Size: standard DIN rail 51 mm wide enclosure (51x136)(including connector)x88 mm).
Power supply/power consumption: voltage - 12V, current - 50mA (module consumption).
Memory: non-volatile memory chip for settings.
Connection: screw connectors.
Modbus address: (can be changed by Modbus command) 0 ...255 (default address: 0x01).
Baudrate: (can be changed by Modbus command) 2400, 4800, 9600, 19200, 28800, 38400, 56000, 57600, 115200, 128000, 256000 (default is 9600).
Port settings: 8n1
Manual and testing software: the links to download will be sent along with the module.
Important: the thermocouple we send with the module, stands up to 800 C degrees. If you need to measure temeperatures above that level (800-1200C) you will need another K-type thermocouple.

Reviews

There are yet no reviews for this product.